

CLAIMS:

1. A skateboard truck comprising:

5 a first base part having a first pair of mounting holes through each of which respective ones of a pair of fasteners can extend to secure the truck to a deck, and second and third pairs of mounting holes, through either pair of which respective ones of a further pair of fasteners can extend to secure the truck to the deck,

10 a second base part secured to the first base part and including an integral bearing plate,

a hanger bearing against the bearing plate and attached pivotally to the first base part by a pivot pin extending through the second base part, and

a pair of springs mounted to the second base part and attached to the hanger.

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2. The skateboard truck of Claim 1 wherein the second and third mounting holes are positioned at one of two fastener-access cavities formed in the first base part.

20 3. The skateboard truck of Claim 2 wherein the bearing plate of the second base part extends at least partly over the fastener-access cavities at the rear of the first base part.

4. The skateboard truck of Claim 1 wherein the pivot pin passes through a

bushing.

5. The skateboard truck of Claim 1 wherein the first and second base parts are cast/moulded from different materials.

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6. The skateboard truck of Claim 1 wherein an adjustment mechanism adjusts pre-load in the springs.

7. The skateboard truck of Claim 6 wherein the adjustment mechanism
10 includes an adjustment screw and nut between each spring and the hanger.

8. The skateboard truck of Claim 1 wherein the springs comprise primary coil springs.

15 9. The skateboard truck of Claim 8 wherein supplementary coil springs are located within the primary coil springs.

10. The skateboard truck of Claim 9 wherein end portions of each supplementary spring, and at least one end portion of each primary coil spring,
20 are housed by a spring cap sleeve.

11. The skateboard truck of Claim 1 wherein the springs are resilient plastics mouldings.

12. The skateboard truck of Claim 10 wherein the spring cap sleeves move in and out of one another like a telescope during spring compression and decompression.

5 13. The skateboard truck of Claim 11 wherein the springs have barrel shapes, non-circular cross-sections and side cut-outs.

14. The skateboard truck of Claim 1 wherein the hanger includes a co-linear axle assembly formed of the same or similar material as that from which the
10 hanger is fabricated, and includes strengthening inserts formed of a stronger material.

15. The skateboard truck of Claim 14 wherein the axle assembly includes an irregularity in its midsection.

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16. The skateboard truck of Claim 1 wherein the hanger is formed from aluminium, titanium or other strong, lightweight material.

17. The skateboard truck of Claim 14 wherein the axle inserts are steel or
20 other high-strength material.

18. The skateboard truck of Claim 1 wherein the second base part is formed of moulded plastics material.

19. The skateboard truck of Claim 18 wherein the moulded plastics material is chosen to provide good lubricity between the bearing plate and the hanger and a small degree of flexibility at outer edges of the bearing plate.
- 5 20. The skateboard truck of Claim 1 wherein the first base part includes a mounting surface that is tightened against a deck by fasteners passing through the holes.
21. The skateboard truck of Claim 20 wherein the bearing plate extends at
10 an acute angle with respect to the mounting surface and the pivot pin extends normally to the bearing plate.
22. The skateboard truck of Claim 1 wherein the second base part includes a pair of holes aligned with the first pair of holes of the first base part and the
15 first pair of fasteners extends through the aligned holes and assist in securing the first base part to the second base part.
23. The skateboard truck of Claim 1 wherein the pivot pin has a threaded end that is protected and fastened within a recess of the first base part, so as
20 not only to pull the hanger against the bearing plate but also to assist in securing the first base part to the second base part.